ELSEVIER

15 September 1995

Optics Communications 119 (1995) 698–706

OPTICS COMMUNICATIONS

Author index to volume 119

Aakjer, T., see P.B. Hansen 119 (1995) 178
Adam, P., see J.C. Weeber 119 (1995) 23
Agarwal, G.S., Talbot effect in a quadratic index medium 119 (1995) 30
Agarwal, G.S. and S. Dutta Gupta, Evanescent coupling of a dipole to a phase conjugate mirror 119 (1995) 591
Agrawal, G.P., see J. Yao 119 (1995) 246
Andreoni, A., see P. Di Trapani 119 (1995) 327
Andrés, P., see M. Martínez-Corral 119 (1995) 491
Asakawa, M., see J. Chen 119 (1995) 563
Assanto, G. and I. Torelli, Cascading effects in type II second-harmonic generation: applications to all-optical processing 119 (1995) 143

Bachor, H.A., see T.C. Ralph 119 (1995) 301
Bagnato, V.S., see M.T. de Araujo 119 (1995) 85
Balle, S., Effective two-level-model with asymmetric gain for laser diodes 119 (1995) 227
Barthelemy, A., see L. Lefort 119 (1995) 163
Basistiy, I.V., M.S. Soskin and M.V. Vasnetsov, Optical wavefront dislocations and their properties 119 (1995) 604
Bhawalkar, J.D., G.S. He and P.N. Prasad, Three-photon induced upconverted fluorescence from an organic compound: application to optical power limiting 119 (1995) 587
Bielefeldt, H., see G. Krausch 119 (1995) 283
Binh, L.N., see N.Q. Ngo 119 (1995) 390
Blow, K.J., see W. Forysiak 119 (1995) 697
Böhmer, B., see U. Leonhardt 119 (1995) 296
Bolshtyansky, M.A., V.I. Zalyapin and B.Ya. Zel'dovich, Correlation dimension measurement of a process trajectory by photorefractive crystal 119 (1995) 78
Boskovic, A., J.R. Taylor and R. Kashyap, Forty times dispersive broadening of femtosecond pulses and complete recompression in a chirped fibre grating 119 (1995) 51
Bouchiat, M., D. Chauvat, J. Guéna, Ph. Jacquier, M. Lintz and M.D. Plimmer, High precision balanced mode polarimetry with a pulsed laser beam 119 (1995) 403
Bourdet, G., see G. Lescroart 119 (1995) 373
Bourillot, E., see J.C. Weeber 119 (1995) 23
Bowden, C.M., see J. Yao 119 (1995) 246
Brignon, A. and J.-P. Huignard, Energy efficiency of phase conjugation by saturable-gain degenerate four-wave mixing in Nd:YAG amplifiers 119 (1995) 171
Burns, D.C., I. Underwood, J. Gourlay, A. O'Hara and D.G. Vass, A 256×256 SRAM-XOR pixel ferroelectric liquid crystal over silicon spatial light modulator 119 (1995) 623

ELSEVIER

15 September 1995

Optics Communications 119 (1995) 698–706

OPTICS COMMUNICATIONS

Author index to volume 119

Aakjer, T., see P.B. Hansen 119 (1995) 178
Adam, P., see J.C. Weeber 119 (1995) 23
Agarwal, G.S., Talbot effect in a quadratic index medium 119 (1995) 30
Agarwal, G.S. and S. Dutta Gupta, Evanescent coupling of a dipole to a phase conjugate mirror 119 (1995) 591
Agrawal, G.P., see J. Yao 119 (1995) 246
Andreoni, A., see P. Di Trapani 119 (1995) 327
Andrés, P., see M. Martínez-Corral 119 (1995) 491
Asakawa, M., see J. Chen 119 (1995) 563
Assanto, G. and I. Torelli, Cascading effects in type II second-harmonic generation: applications to all-optical processing 119 (1995) 143

Bachor, H.A., see T.C. Ralph 119 (1995) 301
Bagnato, V.S., see M.T. de Araujo 119 (1995) 85
Balle, S., Effective two-level-model with asymmetric gain for laser diodes 119 (1995) 227
Barthelemy, A., see L. Lefort 119 (1995) 163
Basistiy, I.V., M.S. Soskin and M.V. Vasnetsov, Optical wavefront dislocations and their properties 119 (1995) 604
Bhawalkar, J.D., G.S. He and P.N. Prasad, Three-photon induced upconverted fluorescence from an organic compound: application to optical power limiting 119 (1995) 587
Bielefeldt, H., see G. Krausch 119 (1995) 283
Binh, L.N., see N.Q. Ngo 119 (1995) 390
Blow, K.J., see W. Forysiak 119 (1995) 697
Böhmer, B., see U. Leonhardt 119 (1995) 296
Bolshtyansky, M.A., V.I. Zalyapin and B.Ya. Zel'dovich, Correlation dimension measurement of a process trajectory by photorefractive crystal 119 (1995) 78
Boskovic, A., J.R. Taylor and R. Kashyap, Forty times dispersive broadening of femtosecond pulses and complete recompression in a chirped fibre grating 119 (1995) 51
Bouchiat, M., D. Chauvat, J. Guéna, Ph. Jacquier, M. Lintz and M.D. Plimmer, High precision balanced mode polarimetry with a pulsed laser beam 119 (1995) 403
Bourdet, G., see G. Lescroart 119 (1995) 373
Bourillot, E., see J.C. Weeber 119 (1995) 23
Bowden, C.M., see J. Yao 119 (1995) 246
Brignon, A. and J.-P. Huignard, Energy efficiency of phase conjugation by saturable-gain degenerate four-wave mixing in Nd:YAG amplifiers 119 (1995) 171
Burns, D.C., I. Underwood, J. Gourlay, A. O'Hara and D.G. Vass, A 256×256 SRAM-XOR pixel ferroelectric liquid crystal over silicon spatial light modulator 119 (1995) 623

Camacho-Basilio, G., see C. Robledo-Sánchez 119 (1995) 465
Camacho-López, S., see E. Haro-Poniatowski 119 (1995) 154
Carman, R.J., Modelling of the intracavity optical fields in a copper vapour laser 119 (1995) 415
Cavallari, M., see G.M. Gale 119 (1995) 159
Chakraborty, A.K., see D. Choudhury 119 (1995) 279
Chang, M.-W., see C.-C. Sun 119 (1995) 597
Chauvat, D., see M. Bouchiat 119 (1995) 403
Chen, H.Y., N. Mayhew, E.G.S. Paige and G.G. Yang, Design of the point spread function of a lens, binary phase filter combination and its application to photolithography 119 (1995) 381
Chen, J., M. Fujita, M. Asakawa, K. Imasaki, S. Nakai and C. Yamanaka, Calculation of a transverse optical mode and diffraction loss in a supercavity 119 (1995) 563
Chen, L., see Y. Pan 119 (1995) 538
Chen, X., Local-field study on the optical paramagnetic response of a parabolic quantum well 119 (1995) 69
Chien, C.-H., see S.-S. Yu 119 (1995) 167
Chin, M.-K., see X.-Y. Tang 119 (1995) 41, 46
Choudhury, D., P.N. Puntambekar and A.K. Chakraborty, Optical synthesis of self-Fourier functions 119 (1995) 279
Chu, P.L., see H. Hatami-Hanza 119 (1995) 347
Colville, F.G., see A.J. Henderson 119 (1995) 256
Cornejo-Rodriguez, A., see C. Robledo-Sánchez 119 (1995) 465
Costela, A., J.M. Figuera, F. Florido, I. Garcia-Moreno and R. Sastre, Thermal effects in optical phase conjugation in rhodamine 6G-doped copolymers of 2-hydroxyethyl methacrylate and methyl methacrylate 119 (1995) 265

Daino, B., see F. Matera 119 (1995) 289
Danielius, R., see P. Di Trapani 119 (1995) 327
De Araujo, M.T., R.J. Horowicz, D. Milori, A. Tuboy, R. Kaiser, S.C. Zilio and V.S. Bagnato, Time of flight technique to determine temperature of atoms in a ring-shaped trap 119 (1995) 85
De Fornel, F., see J.C. Weeber 119 (1995) 23
Dellwig, T., C. Denz, T. Rauch and T. Tschudi, Coherent refreshment and updating for dynamic photorefractive optical memories using phase conjugation 119 (1995) 333
De Marchis, G., see F. Matera 119 (1995) 289
Denz, C., see T. Dellwig 119 (1995) 333
Dhez, P., see M. Idir 119 (1995) 633
Di Trapani, P., A. Andreoni, P. Foggi, C. Solcia, R. Danielius and A. Piskarskas, Efficient conversion of femtosecond blue pulses by travelling-wave parametric generation in non-collinear phase matching 119 (1995) 327
Doran, N.J., see W. Forysiak 119 (1995) 697
Dorsinville, R., see Y. Guo 119 (1995) 139
Driscoll, T.J., see G.M. Gale 119 (1995) 159
Duarte, F.J., Solid-state dispersive dye laser oscillator: very compact cavity (Optics Comm. 117 (1995) 480). Erratum 119 (1995) 696
Dunn, M.H., see R.R. Moseley 119 (1995) 61
Dunn, M.H., see A.J. Henderson 119 (1995) 256
Dutta Gupta, S., see G.S. Agarwal 119 (1995) 591
Dvornikov, A.S. and P.M. Rentzepis, Accessing 3D memory information by means of nonlinear absorption 119 (1995) 341

Egan, D., see S.W. James 119 (1995) 460
Ehrlichmann, D., Mode properties of unstable off-axis resonators with large Fresnel numbers 119 (1995) 236
Espindola, R.P., M.K. Udo and S.T. Ho, Nearly-degenerate frequency technique for simultaneous measurement of $n^{(2)}$ and $\alpha^{(2)}$, and four-wave mixing gain coefficients in waveguides 119 (1995) 682
Ewbank, M.D., see I. McMichael 119 (1995) 13

Fernández-Guasti, M., see E. Haro-Poniatowski 119 (1995) 154
Figuera, J.M., see A. Costela 119 (1995) 265
Fill, E.E., see Y. Li 119 (1995) 557
Florido, F., see A. Costela 119 (1995) 265
Foggi, P., see P. Di Trapani 119 (1995) 327
Forysiak, W., N.J. Doran, F.M. Knox and K.J. Blow, Average soliton dynamics in strongly perturbed systems (Optics Comm. 117 (1995) 65). Erratum 119 (1995) 697
Franco, M.A., see E.T.J. Nibbering 119 (1995) 479
François, V., T. Ohtsuki, N. Peyghambarian and S. Iraj Najafi, Thermally silver ion exchanged integrated-optic lasers in neodymium-doped silicate glass 119 (1995) 104
Fujita, M., see J. Chen 119 (1995) 563
Fulton, D.J., see R.R. Moseley 119 (1995) 61

Gale, G.M., M. Cavallari, T.J. Driscoll and F. Hache, Generation of highly coherent tunable mid-infrared femtosecond pulses by parametric frequency-mixing at 82 MHz 119 (1995) 159
Gallion, P., see J. Yao 119 (1995) 246
Garcia, J., see M. Gedziorowski 119 (1995) 207
Garcia-Moreno, I., see A. Costela 119 (1995) 265
Gascón, F., see F. Salazar 119 (1995) 361
Gedziorowski, M. and J. Garcia, Programmable opticaldigital processor for rank order and morphological filtering 119 (1995) 207
Gil-Villegas, A., see E. Haro-Poniatowski 119 (1995) 154
Gómez-Reino, C., see S. Ríos 119 (1995) 517
González-Hernández, J., see E. Haro-Poniatowski 119 (1995) 154
Gori, F. and E. Wolf, Sources which generate fields whose spectra are invariant on propagation 119 (1995) 447
Goudonnet, J.P., see J.C. Weeber 119 (1995) 23
Gourlay, J., see D.C. Burns 119 (1995) 623
Granieri, S., O. Trabocchi and E.E. Sicre, Fractional Fourier transform applied to spatial filtering in the Fresnel domain 119 (1995) 275
Grigoryan, G.G., see M.L. Ter-Mikaelian 119 (1995) 56
Grillon, G., see E.T.J. Nibbering 119 (1995) 479
Grimm, R., see J. Söding 119 (1995) 652
Gross, B., see J.T. Manassah 119 (1995) 663
Guéna, J., see M. Bouchiat 119 (1995) 403
Guerin, Ph., see M. Idir 119 (1995) 633
Guo, Y., L. Yang, A.D. Walser and R. Dorsinville, Experimental observation of all-optical deflection using forward degenerate four-wave mixing in ZnSe 119 (1995) 139

Hache, F., see G.M. Gale 119 (1995) 159
Hansen, P.B., A. Kloch, T. Aakjer and T. Rasmussen, Switching power reduction in asymmetrically designed nonlinear directional couplers 119 (1995) 178

Haro-Poniatowski, E., M. Fernández-Guasti, S. Camacho-López, A. Gil-Villegas and J. González-Hernández, Thickness dependence of the phase conjugate signal of amorphous selenium thin films 119 (1995) 154
Hartemann, P., see P. Tournois 119 (1995) 569
Hatami-Hanza, H. and P.L. Chu, Haping the switching characteristics of nonlinear directional couplers 119 (1995) 347
Hayasaka, N., S. Toyooka and T. Jaaskelainen, Iterative feedback method to make a spatial filter on a liquid crystal spatial light modulator for 2D spectroscopic pattern recognition 119 (1995) 643
He, G.S., see J.D. Bhawalkar 119 (1995) 587
Heinemann, S., Computer generated beam shaping and focusing optical elements for laser material processing 119 (1995) 613
Henderson, A.J., M.J. Padgett, F.G. Colville, J. Zhang and M.H. Dunn, Doubly-resonant optical parametric oscillators: tuning behaviour and stability requirements 119 (1995) 256
Ho, S.T., see R.P. Espindola 119 (1995) 682
Holden, P.B. and B. Rus, A simple model of refraction in the Ne-like Zn, collisionally pumped laser 119 (1995) 424
Honda, T., see Z. Liu 119 (1995) 1
Horowicz, R.J., see M.T. De Araujo 119 (1995) 85
Hsu, K.Y., see C.-C. Sun 119 (1995) 597
Huang, W., see B. Lü 119 (1995) 6
Huignard, J.-P., see A. Brignon 119 (1995) 171
Huttunen, J. and J. Turunen, Phase images of grooves in a perfectly conducting surface 119 (1995) 485

Ibarra, J., see E. Tepichín 119 (1995) 471
Idir, M., A. Mirone, G. Soullie, Ph. Guerin, Fr. Ladan and P. Dhez, 2D focusing with an off-axis elliptical Bragg–Fresnel multilayer lens and application to X-ray imaging 119 (1995) 633
Ilev, I.K., Fiber-optic autocollimation refractometer 119 (1995) 513
Imasaki, K., see J. Chen 119 (1995) 563
Indebetouw, G., see D.R. Korwan 119 (1995) 305
Iraj Najafi, S., see V. François 119 (1995) 104
Itoh, M., see N. Yoshikawa 119 (1995) 33

Jaaskelainen, T., see N. Hayasaka 119 (1995) 643
Jacquier, Ph., see M. Bouchiat 119 (1995) 403
Jalocha, A. and N.F. van Hulst, Dielectric and fluorescent samples imaged by scanning near-field optical microscopy in reflection 119 (1995) 17
James, S.W., R.A. Lockey, D. Egan and R.P. Tatam, Fibre optic based reference beam laser Doppler velocimetry 119 (1995) 460
Jaramillo-Núñez, A., see C. Robledo-Sánchez 119 (1995) 465
Jin, S., Y. Li and M. Xiao, Hyperfine spectroscopy of highly-excited atomic states based on atomic coherence 119 (1995) 90
Joshi, K.C., see D.S. Mehta 119 (1995) 352

Kaiser, R., see M.T. De Araujo 119 (1995) 85
Kandpal, H.C., see D.S. Mehta 119 (1995) 352
Kashyap, R., see A. Boskovic 119 (1995) 51
Kawamura, H., H. Saito, K. Yuasa, Y. Yuge and M. Nakajima, High-speed imaging system of luminous intensity distribution of plasma using light emission CT 119 (1995) 197

Kirsch, A., see G. Krausch 119 (1995) 283
Kloch, A., see P.B. Hansen 119 (1995) 178
Knox, F.M., see W. Forysiak 119 (1995) 697
Korwan, D.R. and G. Indebetouw, Effect of phase mismatch on the transverse dynamics of a phase-conjugate resonator at low Fresnel number 119 (1995) 305
Krausch, G., S. Wegscheider, A. Kirsch, H. Bielefeldt, J.C. Meiners and J. Mlynek, Near field microscopy and lithography with uncoated fiber tips: a comparison 119 (1995) 283
Krishnagopal, S. and V. Kumar, The two-colour free-electron laser 119 (1995) 313
Kumar, V., see S. Krishnagopal 119 (1995) 313

Ladan, Fr., see M. Idir 119 (1995) 633
Lai, Y., see S.-S. Yu 119 (1995) 167
Lazar, J. and P.H.J. Schellekens, Properties and stabilisation of a short-resonator 543 nm HeNe laser 119 (1995) 117
Le Blanc, C., see E.T.J. Nibbering 119 (1995) 479
Lefort, L. and A. Barthelemy, Cross-phase modulation from second-harmonic to fundamental in cascaded second order processes; application to switching 119 (1995) 163
Leonhardt, U., B. Böhmer and H. Paul, Uncertainty relations for realistic joint measurements of position and momentum in quantum optics 119 (1995) 296
Lescroart, G. and G. Bourdet, Effects of binary phase plates on the far field diffraction pattern of an out of phase coupled linear array of waveguide lasers 119 (1995) 373
Li, F., see Y. Pan 119 (1995) 538
Li, Y., see S. Jin 119 (1995) 90
Li, Y., G. Pretzler, J. Nilsen and E.E. Fill, Space-resolved investigation of lasing on the two $J=0$-1, 3p-3s transitions at 20.5 and 25.5 nm in neon-like iron 119 (1995) 557
Lintz, M., see M. Bouchiat 119 (1995) 403
Liu, A., Quantum-well-number dependence of optical second-harmonic generation in multiple-step quantum wells 119 (1995) 191
Liu, Z., K. Okada, T. Honda and J. Tsujiuchi, Radius measurement by a zone plate interferometer 119 (1995) 1
Lo, H.-K., Quantum coding theorem for mixed states 119 (1995) 552
Lockey, R.A., see S.W. James 119 (1995) 460
Lü, B., W. Huang and B. Zhang, Fraunhofer diffraction of a Bessel beam focused by an aperture lens 119 (1995) 6

Ma, G. and W. Tan, Calculation of soft X-ray laser in an expanding He-like Mg plasma pumped by a short laser pulse 119 (1995) 125
Maier, M., see T. Qiu 119 (1995) 149
Manassah, J.T. and B. Gross, The effects of atomic coherence on a three-level homogeneously broadened amplifier in the superradiant regime 119 (1995) 663
Martijn de Sterke, C., see T.M. Monro 119 (1995) 523
Martínez-Corral, M., P. Andrés, J. Ojeda-Castañeda and G. Saavedra, Tunable axial superresolution by annular binary filters. Application to confocal microscopy 119 (1995) 491
Matera, F., M. Settembre, B. Daino and G. De Marchis, Investigation on the implementation of high capacity optically amplified systems in links up to 4000 km long 119 (1995) 289
Mayhew, N., see H.Y. Chen 119 (1995) 381
McCall, M., see J. Mercier 119 (1995) 576

McMichael, I., M.D. Ewbank and F. Vachss, Efficiency of phase conjugation for highly scattered light 119 (1995) 13
Mehta, D.S., H.C. Kandpal, K. Saxena, J.S. Vaishya and K.C. Joshi, Displacement measurements from coherence-induced spectral changes in a Mach–Zehnder interferometer 119 (1995) 352
Meiners, J.C., see G. Krausch 119 (1995) 283
Mercier, J. and M. McCall, Phase-locking in elementary two-dimensional semiconductor laser arrays by independent control of pumping 119 (1995) 576
Milori, D., see M.T. De Araujo 119 (1995) 85
Mirone, A., see M. Idir 119 (1995) 633
Mlynek, J., see G. Krausch 119 (1995) 283
Monro, T.M., C. Martijn de Sterke and L. Poladian, Self-writing a waveguide in glass using photosensitivity 119 (1995) 523
Moseley, R.R., S. Shepherd, D.J. Fulton, B.D. Sinclair and M.H. Dunn, Two-photon effects in continuous-wave electromagnetically-induced transparency 119 (1995) 61
Mukhopadhyay, S., see J.N. Roy 119 (1995) 499
Mysyrowicz, A., see E.T.J. Nibbering 119 (1995) 479

Nakai, S., see J. Chen 119 (1995) 563
Nakajima, M., see H. Kawamura 119 (1995) 197
Nasalski, W., Complex ray tracing of nonlinear propagation 119 (1995) 218
New, G.H.C. and D.C. Wilson, Simulations of Raman conversion in large aperture amplifiers 119 (1995) 673
Ngo, N.Q. and L.N. Binh, Programmable incoherent Newton–Cotes optical integrator 119 (1995) 390
Nibbering, E.T.J., M.A. Franco, B.S. Prade, G. Grillon, C. Le Blanc and A. Mysyrowicz, Measurement of the nonlinear refractive index of transparent materials by spectral analysis after nonlinear propagation 119 (1995) 479
Nilsen, J., see Y. Li 119 (1995) 557

O'Hara, A., see D.C. Burns 119 (1995) 623
Ohtsubo, J., see M. Shirakawa 119 (1995) 505
Ohtsuki, T., see V. François 119 (1995) 104
Ojeda-Castañeda, J., see M. Martínez-Corral 119 (1995) 491
Okada, K., see Z. Liu 119 (1995) 1
Ovchinnikov, Yu.B., see J. Söding 119 (1995) 652

Padgett, M.J., see A.J. Henderson 119 (1995) 256
Paige, E.G.S., see H.Y. Chen 119 (1995) 381
Paloviita, A., Molecular excitation by chirped pulses with independent time scales 119 (1995) 533
Pan, Y., Y. Zhao, Y. Yin, L. Chen, R. Wang and F. Li, The observation of photoproducts and multiple photon-gated spectral hole burning in a donor–acceptor and a $donor_1 + donor_2$–acceptor system 119 (1995) 538
Paul, H., see U. Leonhardt 119 (1995) 296
Penman, C., Development of coherence in the Raman free-electron laser 119 (1995) 183
Peyghambarian, N., see V. François 119 (1995) 104
Piskarskas, A., see P. Di Trapani 119 (1995) 327
Plimmer, M.D., see M. Bouchiat 119 (1995) 403
Poladian, L., see T.M. Monro 119 (1995) 523
Prade, B.S., see E.T.J. Nibbering 119 (1995) 479
Prasad, P.N., see J.D. Bhawalkar 119 (1995) 587

Pretzler, G., see Y. Li 119 (1995) 557
Puntambekar, P.N., see D. Choudhury 119 (1995) 279

Qiu, T., T. Tillert and M. Maier, Tunable, kilowatt, picosecond far-infrared pulse generation in $LiNbO_3$ 119 (1995) 149

Ralph, T.C. and H.A. Bachor, Noiseless amplification of the coherent amplitude of bright squeezed light using a standard laser amplifier 119 (1995) 301
Rao, K.D. and K.K. Sharma, Dispersion of the induced optical nonlinearity in rhodamine 6G doped boric acid glass 119 (1995) 132
Rasmussen, T., see P.B. Hansen 119 (1995) 178
Rauch, T., see T. Dellwig 119 (1995) 333
Rentzepis, P.M., see A.S. Dvornikov 119 (1995) 341
Riis, E., see A.G. Sinclair 119 (1995) 527
Ríos, S., R. Srivastava and C. Gómez-Reino, Coupling of single-mode fibers to single-mode GRIN waveguides by butt-joining 119 (1995) 517
Robledo-Sánchez, C., G. Camacho-Basilio, A. Jaramillo-Núñez and A. Cornejo-Rodriguez, Binary grating with variable bar/space ratio following a geometrical progression 119 (1995) 465
Roy, J.N. and S. Mukhopadhyay, A minimization scheme of optical space-variant logical operations in a combinational architecture 119 (1995) 499
Rus, B., see P.B. Holden 119 (1995) 424

Saavedra, G., see M. Martínez-Corral 119 (1995) 491
Saito, H., see H. Kawamura 119 (1995) 197
Salazar, F. and F. Gascón, Double-exposure speckle photography with three slabs for thermal expansion tensor measurement 119 (1995) 361
Salomon, L., see J.C. Weeber 119 (1995) 23
Sammut, R.A., see H.T. Tran 119 (1995) 583
Sastre, R., see A. Costela 119 (1995) 265
Saxena, K., see D.S. Mehta 119 (1995) 352
Schellekens, P.H.J., see J. Lazar 119 (1995) 117
Schrama, C.A., see M.A. van Eijkelenborg 119 (1995) 97
Settembre, M., see F. Matera 119 (1995) 289
Sharma, K.K., see K.D. Rao 119 (1995) 132
Shepherd, S., see R.R. Moseley 119 (1995) 61
Sheppard, C.J.R., Fundamental reduction of the observation volume in far-field light microscopy by detection orthogonal to the illumination axis: Confocal theta microscopy (Optics Comm. 111 (1994) 536). Comment 119 (1995) 693
Shirakawa, M., T. Takemori and J. Ohtsubo, Optical latches based on a selector logic 119 (1995) 505
Sicre, E.E., see S. Granieri 119 (1995) 275
Sinclair, A.G. and E. Riis, Velocity dependence of the force on atoms in 3D optical molasses 119 (1995) 527
Sinclair, B.D., see R.R. Moseley 119 (1995) 61
Šlekys, G., K. Staliūnas and C.O. Weiss, Motion of phase singularities in a class-B laser 119 (1995) 433
Söding, J., R. Grimm and Yu.B. Ovchinnikov, Gravitational laser trap for atoms with evanescent-wave cooling 119 (1995) 652
Solcia, C., see P. Di Trapani 119 (1995) 327
Soskin, M.S., see I.V. Basistiy 119 (1995) 604
Soullie, G., see M. Idir 119 (1995) 633

Srivastava, R., see S. Ríos 119 (1995) 517
Staliūnas, K., see G. Šlekys 119 (1995) 433
Sun, C.-C., M.-W. Chang and K.Y. Hsu, Anisotropic strong volume hologram in $BaTiO_3$ 119 (1995) 597

Takemori, T., see M. Shirakawa 119 (1995) 505
Tan, W., see G. Ma 119 (1995) 125
Tang, X.-Y. and M.-K. Chin, Optimal channel spacing of wavelength division multiplexing optical soliton communication systems 119 (1995) 41
Tang, X.-Y. and M.-K. Chin, Gordon–Haus jitter in a partial soliton communication system 119 (1995) 46
Tatam, R.P., see S.W. James 119 (1995) 460
Taylor, J.R., see A. Boskovic 119 (1995) 51
Tepichín, E. and J. Ibarra, Polarization sensitive lensless Lau interferometer 119 (1995) 471
Ter-Mikaelian, M.L., G.A. Torossian and G.G. Grigoryan, Conical emission in the quasiresonant media as a result of self-phase modulation 119 (1995) 56
Ter-Mikirtychev, V.V., Efficient room-temperature tunable lasers and passive Q-switchers based on LiF: F_2^- crystals 119 (1995) 109
Tillert, T., see T. Qiu 119 (1995) 149
Torelli, I., see G. Assanto 119 (1995) 143
Torossian, G.A., see M.L. Ter-Mikaelian 119 (1995) 56
Tournois, P. and P. Hartemann, Bulk chirped Bragg reflectors for light pulse compression and expansion 119 (1995) 569
Toyooka, S., see N. Hayasaka 119 (1995) 643
Trabocchi, O., see S. Granieri 119 (1995) 275
Tran, H.T. and R.A. Sammut, Instability of two-frequency dark waves in self-defocussing media 119 (1995) 583
Tschudi, T., see T. Dellwig 119 (1995) 333
Tsujiuchi, J., see Z. Liu 119 (1995) 1
Tuboy, A., see M.T. De Araujo 119 (1995) 85
Turunen, J., see J. Huttunen 119 (1995) 485

Udo, M.K., see R.P. Espindola 119 (1995) 682
Uesugi, N., see R. Yano 119 (1995) 545
Underwood, I., see D.C. Burns 119 (1995) 623

Vachss, F., see I. McMichael 119 (1995) 13
Vaishya, J.S., see D.S. Mehta 119 (1995) 352
Van Eijkelenborg, M.A., C.A. Schrama and J.P. Woerdman, Quantum mechanical diffusion of the polarization of a laser 119 (1995) 97
Van Hulst, N.F., see A. Jalocha 119 (1995) 17
Vasnetsov, M.V., see I.V. Basistiy 119 (1995) 604
Vass, D.G., see D.C. Burns 119 (1995) 623

Walser, A.D., see Y. Guo 119 (1995) 139
Wang, H., Coupling to surface plasmon waves by the use of a birefringent prism coupler 119 (1995) 75
Wang, J., see S.-S. Yu 119 (1995) 167
Wang, R., see Y. Pan 119 (1995) 538
Wang, W. and E. Wolf, Far-zone behavior of focused fields in systems with different Fresnel numbers 119 (1995) 453

Weeber, J.C., F. de Fornel, L. Salomon, E. Bourillot, P. Adam and J.P. Goudonnet, Computation of near field diffraction by a dielectric grating: a comparison with experiments 119 (1995) 23
Wegscheider, S., see G. Krausch 119 (1995) 283
Weiss, C.O., see G. Šlekys 119 (1995) 433
Wilson, D.C., see G.H.C. New 119 (1995) 673
Woerdman, J.P., see M.A. Van Eijkelenborg 119 (1995) 97
Wolf, E., see F. Gori 119 (1995) 447
Wolf, E., see W. Wang 119 (1995) 453

Xiao, M., see S. Jin 119 (1995) 90
Xing, Q., W. Zhang and K.M. Yoo, Self-Q switched self-mode-locked Ti:sapphire laser 119 (1995) 113

Yamanaka, C., see J. Chen 119 (1995) 563
Yang, G.G., see H.Y. Chen 119 (1995) 381
Yang, L., see Y. Guo 119 (1995) 139
Yano, R. and N. Uesugi, Transition frequency and temperature dependences of homogeneous width of Nd^{3+} ion in silicate glass 119 (1995) 545
Yao, J., G.P. Agrawal, P. Gallion and C.M. Bowden, Semiconductor laser dynamics beyond the rate-equation approximation 119 (1995) 246
Yatagai, T., see N. Yoshikawa 119 (1995) 33
Yin, Y., see Y. Pan 119 (1995) 538
Yoo, K.M., see Q. Xing 119 (1995) 113
Yoshikawa, N., M. Itoh and T. Yatagai, Interpolation of reconstructed image in Fourier transform computer-generated hologram 119 (1995) 33
Yu, S.-S., C.-H. Chien, Y. Lai and J. Wang, Spatio-temporal solitary pulses in graded-index materials with Kerr nonlinearity 119 (1995) 167
Yuasa, K., see H. Kawamura 119 (1995) 197
Yuge, Y., see H. Kawamura 119 (1995) 197

Zalyapin, V.I., see M.A. Bolshtyansky 119 (1995) 78
Zel'dovich, B.Ya., see M.A. Bolshtyansky 119 (1995) 78
Zhang, B., see B. Lü 119 (1995) 6
Zhang, J., see A.J. Henderson 119 (1995) 256
Zhang, W., see Q. Xing 119 (1995) 113
Zhao, Y., see Y. Pan 119 (1995) 538
Zilio, S.C., see M.T. De Araujo 119 (1995) 85
Zondy, J.-J., Experimental investigation of single and twin $AgGaSe_2$ crystals for CW 10.2 μm SHG 119 (1995) 320

ELSEVIER

15 September 1995

OPTICS COMMUNICATIONS

Optics Communications 119 (1995) 707–711

Subject index to volume 119

Propagation and transmission in homogeneous media

Radius measurement by a zone plate interferometer, Z. Liu, K. Okada, T. Honda and J. Tsujiuchi 119 (1995) 1
Fraunhofer diffraction of a Bessel beam focused by an aperture lens, B. Lü, W. Huang and B. Zhang 119 (1995) 6
Displacement measurements from coherence-induced spectral changes in a Mach–Zehnder interferometer, D.S. Mehta, H.C. Kandpal, K. Saxena, J.S. Vaishya and K.C. Joshi 119 (1995) 352
Sources which generate fields whose spectra are invariant on propagation, F. Gori and E. Wolf 119 (1995) 447
Far-zone behavior of focused fields in systems with different Fresnel numbers, W. Wang and E. Wolf 119 (1995) 453
Fibre optic based reference beam laser Doppler velocimetry, S.W. James, R.A. Lockey, D. Egan and R.P. Tatam 119 (1995) 460
Binary grating with variable bar/space ratio following a geometrical progression, C. Robledo-Sánchez, G. Camacho-Basilio, A. Jaramillo-Núñez and A. Cornejo-Rodriguez 119 (1995) 465
Polarization sensitive lensless Lau interferometer, E. Tepichín and J. Ibarra 119 (1995) 471
Measurement of the nonlinear refractive index of transparent materials by spectral analysis after nonlinear propagation, E.T.J. Nibbering, M.A. Franco, B.S. Prade, G. Grillon, C. Le Blanc and A. Mysyrowicz 119 (1995) 479
Phase images of grooves in a perfectly conducting surface, J. Huttunen and J. Turunen 119 (1995) 485
Optical wavefront dislocations and their properties, I.V. Basistiy, M.S. Soskin and M.V. Vasnetsov 119 (1995) 604
Computer generated beam shaping and focusing optical elements for laser material processing, S. Heinemann 119 (1995) 613

Propagation and transmission in inhomogeneous media

Efficiency of phase conjugation for highly scattered light, I. McMichael, M.D. Ewbank and F. Vachss 119 (1995) 13

Optical information, image formation and analysis, optical computing

Dielectric and fluorescent samples imaged by scanning near-field optical microscopy in reflection, A. Jalocha and N.F. van Hulst 119 (1995) 17
Computation of near field diffraction by a dielectric grating: a comparison with experiments, J.C. Weeber, F. de Fornel, L. Salomon, E. Bourillot, P. Adam and J.P. Goudonnet 119 (1995) 23

Talbot effect in a quadratic index medium, G.S. Agarwal 119 (1995) 30
Interpolation of reconstructed image in Fourier transform computer-generated hologram, N. Yoshikawa, M. Itoh and T. Yatagai 119 (1995) 33
High-speed imaging system of luminous intensity distribution of plasma using light emission CT, H. Kawamura, H. Saito, K. Yuasa, Y. Yuge and M. Nakajima 119 (1995) 197
Programmable opticaldigital processor for rank order and morphological filtering, M. Gedziorowski and J. Garcia 119 (1995) 207
Fractional Fourier transform applied to spatial filtering in the Fresnel domain, S. Granieri, O. Trabocchi and E.E. Sicre 119 (1995) 275
Optical synthesis of self-Fourier functions, D. Choudhury, P.N. Puntambekar and A.K. Chakraborty 119 (1995) 279
Near field microscopy and lithography with uncoated fiber tips: a comparison, G. Krausch, S. Wegscheider, A. Kirsch, H. Bielefeldt, J.C. Meiners and J. Mlynek 119 (1995) 283
Double-exposure speckle photography with three slabs for thermal expansion tensor measurement, F. Salazar and F. Gascón 119 (1995) 361
Effects of binary phase plates on the far field diffraction pattern of an out of phase coupled linear array of waveguide lasers, G. Lescroart and G. Bourdet 119 (1995) 373
Design of the point spread function of a lens, binary phase filter combination and its application to photolithography, H.Y. Chen, N. Mayhew, E.G.S. Paige and G.G. Yang 119 (1995) 381
Tunable axial superresolution by annular binary filters. Application to confocal microscopy, M. Martínez-Corral, P. Andrés, J. Ojeda-Castañeda and G. Saavedra 119 (1995) 491
A minimization scheme of optical space-variant logical operations in a combinational architecture, J.N. Roy and S. Mukhopadhyay 119 (1995) 499
Optical latches based on a selector logic, M. Shirakawa, T. Takemori and J. Ohtsubo 119 (1995) 505
A 256×256 SRAM-XOR pixel ferroelectric liquid crystal over silicon spatial light modulator, D.C. Burns, I. Underwood, J. Gourlay, A. O'Hara and D.G. Vass 119 (1995) 623
2D focusing with an off-axis elliptical Bragg–Fresnel multilayer lens and application to X-ray imaging, M. Idir, A. Mirone, G. Soullie, Ph. Guerin, Fr. Ladan and P. Dhez 119 (1995) 633
Iterative feedback method to make a spatial filter on a liquid crystal spatial light modulator for 2D spectroscopic pattern recognition, N. Hayasaka, S. Toyooka and T. Jaaskelainen 119 (1995) 643

Optical communications

Optimal channel spacing of wavelength division multiplexing optical soliton communication systems, X.-Y. Tang and M.-K. Chin 119 (1995) 41
Gordon–Haus jitter in a partial soliton communication system, X.-Y. Tang and M.-K. Chin 119 (1995) 46
Forty times dispersive broadening of femtosecond pulses and complete recompression in a chirped fibre grating, A. Boskovic, J.R. Taylor and R. Kashyap 119 (1995) 51
Complex ray tracing of nonlinear propagation, W. Nasalski 119 (1995) 218
Investigation on the implementation of high capacity optically amplified systems in links up to 4000 km long, F. Matera, M. Settembre, B. Daino and G. De Marchis 119 (1995) 289
Programmable incoherent Newton–Cotes optical integrator, N.Q. Ngo and L.N. Binh 119 (1995) 390
Fiber-optic autocollimation refractometer, I.K. Ilev 119 (1995) 513
Coupling of single-mode fibers to single-mode GRIN waveguides by butt-joining, S. Ríos, R. Srivastava and C. Gómez-Reino 119 (1995) 517
Self-writing a waveguide in glass using photosensitivity, T.M. Monro, C. Martijn de Sterke and L. Poladian 119 (1995) 523

Atomic, molecular and plasma physics

Conical emission in the quasiresonant media as a result of self-phase modulation, M.L. Ter-Mikaelian, G.A. Torossian and G.G. Grigoryan 119 (1995) 56
Two-photon effects in continuous-wave electromagnetically-induced transparency, R.R. Moseley, S. Shepherd, D.J. Fulton, B.D. Sinclair and M.H. Dunn 119 (1995) 61
High precision balanced mode polarimetry with a pulsed laser beam, M. Bouchiat, D. Chauvat, J. Guéna, Ph. Jacquier, M. Lintz and M.D. Plimmer 119 (1995) 403
Velocity dependence of the force on atoms in 3D optical molasses, A.G. Sinclair and E. Riis 119 (1995) 527
Molecular excitation by chirped pulses with independent time scales, A. Paloviita 119 (1995) 533

Condensed matter

Local-field study on the optical paramagnetic response of a parabolic quantum well, X. Chen 119 (1995) 69
Coupling to surface plasmon waves by the use of a birefringent prism coupler, H. Wang 119 (1995) 75
Effective two-level-model with asymmetric gain for laser diodes, S. Balle 119 (1995) 227
The observation of photoproducts and multiple photon-gated spectral hole burning in a donor–acceptor and a donor$_1$ + donor$_2$–acceptor system, Y. Pan, Y. Zhao, Y. Yin, L. Chen, R. Wang and F. Li 119 (1995) 538
Transition frequency and temperature dependences of homogeneous width of Nd^{3+} ion in silicate glass, R. Yano and N. Uesugi 119 (1995) 545

Quantum optics

Correlation dimension measurement of a process trajectory by photorefractive crystal, M.A. Bolshtyansky, V.I. Zalyapin and B.Ya. Zel'dovich 119 (1995) 78
Time of flight technique to determine temperature of atoms in a ring-shaped trap, M.T. de Araujo, R.J. Horowicz, D. Milori, A. Tuboy, R. Kaiser, S.C. Zilio and V.S. Bagnato 119 (1995) 85
Hyperfine spectroscopy of highly-excited atomic states based on atomic coherence, S. Jin, Y. Li and M. Xiao 119 (1995) 90
Quantum mechanical diffusion of the polarization of a laser, M.A. van Eijkelenborg, C.A. Schrama and J.P. Woerdman 119 (1995) 97
Uncertainty relations for realistic joint measurements of position and momentum in quantum optics, U. Leonhardt, B. Böhmer and H. Paul 119 (1995) 296
Noiseless amplification of the coherent amplitude of bright squeezed light using a standard laser amplifier, T.C. Ralph and H.A. Bachor 119 (1995) 301
Quantum coding theorem for mixed states, H.-K. Lo 119 (1995) 552
Gravitational laser trap for atoms with evanescent-wave cooling, J. Söding, R. Grimm and Yu.B. Ovchinnikov 119 (1995) 652

Lasers

Thermally silver ion exchanged integrated-optic lasers in neodymium-doped silicate glass, V. François, T. Ohtsuki, N. Peyghambarian and S. Iraj Najafi 119 (1995) 104
Efficient room-temperature tunable lasers and passive Q-switchers based on LiF: F_2^- crystals, V.V. Ter-Mikirtychev 119 (1995) 109
Self-Q switched self-mode-locked Ti : sapphire laser, Q. Xing, W. Zhang and K.M. Yoo 119 (1995) 113

Properties and stabilisation of a short-resonator 543 nm HeNe laser, J. Lazar and P.H.J. Schellekens 119 (1995) 117
Calculation of soft X-ray laser in an expanding He-like Mg plasma pumped by a short laser pulse, G. Ma and W. Tan 119 (1995) 125
Mode properties of unstable off-axis resonators with large Fresnel numbers, D. Ehrlichmann 119 (1995) 236
Semiconductor laser dynamics beyond the rate-equation approximation, J. Yao, G.P. Agrawal, P. Gallion and C.M. Bowden 119 (1995) 246
Effect of phase mismatch on the transverse dynamics of a phase-conjugate resonator at low Fresnel number, D.R. Korwan and G. Indebetouw 119 (1995) 305
The two-colour free-electron laser, S. Krishnagopal and V. Kumar 119 (1995) 313
Modelling of the intracavity optical fields in a copper vapour laser, R.J. Carman 119 (1995) 415
A simple model of refraction in the Ne-like Zn, collisionally pumped laser, P.B. Holden and B. Rus 119 (1995) 424
Space-resolved investigation of lasing on the two $J=0$-1, 3p-3s transitions at 20.5 and 25.5 nm in neon-like iron, Y. Li, G. Pretzler, J. Nilsen and E.E. Fill 119 (1995) 557
Calculation of a transverse optical mode and diffraction loss in a supercavity, J. Chen, M. Fujita, M. Asakawa, K. Imasaki, S. Nakai and C. Yamanaka 119 (1995) 563
Bulk chirped Bragg reflectors for light pulse compression and expansion, P. Tournois and P. Hartemann 119 (1995) 569

Nonlinear optics

Dispersion of the induced optical nonlinearity in rhodamine 6G doped boric acid glass, K.D. Rao and K.K. Sharma 119 (1995) 132
Experimental observation of all-optical deflection using forward degenerate four-wave mixing in ZnSe, Y. Guo, L. Yang, A.D. Walser and R. Dorsinville 119 (1995) 139
Cascading effects in type II second-harmonic generation: applications to all-optical processing, G. Assanto and I. Torelli 119 (1995) 143
Tunable, kilowatt, picosecond far-infrared pulse generation in $LiNbO_3$, T. Qiu, T. Tillert and M. Maier 119 (1995) 149
Thickness dependence of the phase conjugate signal of amorphous selenium thin films, E. Haro-Poniatowski, M. Fernández-Guasti, S. Camacho-López, A. Gil-Villegas and J. González-Hernández 119 (1995) 154
Generation of highly coherent tunable mid-infrared femtosecond pulses by parametric frequency-mixing at 82 MHz, G.M. Gale, M. Cavallari, T.J. Driscoll and F. Hache 119 (1995) 159
Cross-phase modulation from second-harmonic to fundamental in cascaded second order processes; application to switching, L. Lefort and A. Barthelemy 119 (1995) 163
Spatio-temporal solitary pulses in graded-index materials with Kerr nonlinearity, S.-S. Yu, C.-H. Chien, Y. Lai and J. Wang 119 (1995) 167
Energy efficiency of phase conjugation by saturable-gain degenerate four-wave mixing in Nd:YAG amplifiers, A. Brignon and J.-P. Huignard 119 (1995) 171
Switching power reduction in asymmetrically designed nonlinear directional couplers, P.B. Hansen, A. Kloch, T. Aakjer and T. Rasmussen 119 (1995) 178
Development of coherence in the Raman free-electron laser, C. Penman 119 (1995) 183
Quantum-well-number dependence of optical second-harmonic generation in multiple-step quantum wells, A. Liu 119 (1995) 191
Doubly-resonant optical parametric oscillators: tuning behaviour and stability requirements, A.J. Henderson, M.J. Padgett, F.G. Colville, J. Zhang and M.H. Dunn 119 (1995) 256

Thermal effects in optical phase conjugation in rhodamine 6G-doped copolymers of 2-hydroxyethyl methacrylate and methyl methacrylate, A. Costela, J.M. Figuera, F. Florido, I. Garcia-Moreno and R. Sastre 119 (1995) 265
Experimental investigation of single and twin $AgGaSe_2$ crystals for CW 10.2 μm SHG, J.-J. Zondy 119 (1995) 320
Efficient conversion of femtosecond blue pulses by travelling-wave parametric generation in non-collinear phase matching, P. Di Trapani, A. Andreoni, P. Foggi, C. Solcia, R. Danielius and A. Piskarskas 119 (1995) 327
Coherent refreshment and updating for dynamic photorefractive optical memories using phase conjugation, T. Dellwig, C. Denz, T. Rauch and T. Tschudi 119 (1995) 333
Accessing 3D memory information by means of nonlinear absorption, A.S. Dvornikov and P.M. Rentzepis 119 (1995) 341
Haping the switching characteristics of nonlinear directional couplers, H. Hatami-Hanza and P.L. Chu 119 (1995) 347
Phase-locking in elementary two-dimensional semiconductor laser arrays by independent control of pumping, J. Mercier and M. McCall 119 (1995) 576
Instability of two-frequency dark waves in self-defocussing media, H.T. Tran and R.A. Sammut 119 (1995) 583
Three-photon induced upconverted fluorescence from an organic compound: application to optical power limiting, J.D. Bhawalkar, G.S. He and P.N. Prasad 119 (1995) 587
Evanescent coupling of a dipole to a phase conjugate mirror, G.S. Agarwal and S. Dutta Gupta 119 (1995) 591
Anisotropic strong volume hologram in $BaTiO_3$, C.-C. Sun, M.-W. Chang and K.Y. Hsu 119 (1995) 597
The effects of atomic coherence on a three-level homogeneously broadened amplifier in the superradiant regime, J.T. Manassah and B. Gross 119 (1995) 663
Simulations of Raman conversion in large aperture amplifiers, G.H.C. New and D.C. Wilson 119 (1995) 673
Nearly-degenerate frequency technique for simultaneous measurement of $n^{(2)}$ and $\alpha^{(2)}$, and four-wave mixing gain coefficients in waveguides, R.P. Espindola, M.K. Udo and S.T. Ho 119 (1995) 682